



Cooperative Fruit Fly Emergency Response Triggers & Guidelines

	Emergency Response Triggers			
	Delimitation	Duration of Delimitation (# generations for single fly detections)	Eradication*	Quarantine
Mated female of any genera and species of fruit fly presumed or known to be mated to a wild male; a larva or pupa; two or more life stages; in any area 1 fly (any life stage) is detected which is determined to be associated with a current fruit fly regulated area	1 mated female or immature stage	F3	1 mated female or immature stage	1 mated female or immature stage
<i>Ceratitis capitata</i> (Medfly) and other species within the genus	1 fly	F3	2 flies within a 3 mile (4.8 km) radius during 1 life cycle	2 flies within a 3 mile (4.8 km) radius during 1 life cycle
<i>Bactrocera dorsalis</i> (Oriental FF)	1 fly	F2	2 flies within a 3 mile (4.8 km) radius during 1 life cycle (FL currently 3.5 mi radius)	Urban areas: 8 flies (either sex) within a 3 mile (4.8 km) radius during 1 life cycle. All finds must be 4.5 miles (7.2 km) from commercial host production areas.
				Commercial areas: 6 flies within a 3 mile (4.8 km) radius during 1 life cycle.
Other <i>Bactrocera</i> species responding to methyl eugenol (ME) (Peach FF, Guava FF, etc.)	1 fly	F2	2 flies within a 3 mile (4.8 km) radius during 1 life cycle (FL currently 3.5 mi radius)	Urban areas: 8 flies within a 3 mile radius during 1 life cycle. Must be 4.5 miles (7.2 km) from commercial host production areas.
				Commercial areas: 6 flies within 3 mile (4.8 km) radius during 1 life cycle.
Other <i>Bactrocera</i> species that do not respond to methyl eugenol (Melonfly, Solanum FF, White Striped FF, etc.)	1 fly	F3	2 flies within a 3 mile (4.8 km) radius during 1 life cycle (FL currently 3.5 mi radius)	2 flies within a 3 mile (4.8 km) radius during 1 life cycle

* Eradication is initiated prior to reaching a federal quarantine

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<i>Anastrepha ludens</i> (Mexfly)	1 fly	F2	2 flies within a 3 mile (4.8 km) radius during 1 life cycle	5 flies within a 3 mile (4.8 km) radius during 1 life cycle
Other <i>Anastrepha</i> species (Sapote FF, West Indian FF, South American FF, etc.)	1 fly	F3	2 flies within a 3 mile (4.8 km) radius during 1 life cycle	2-5 flies (based on risk assessment) within a 3 mile (4.8 km) radius during 1 life cycle
All other adult exotic fruit flies detected in the United States	1 fly	F3	2 flies within a 3 mile (4.8 km) radius during 1 life cycle	2 flies within a 3 mile (4.8 km) radius during 1 life cycle

Additional Notes:

If a mated wild female is captured within an existing Sterile Insect Technique Preventative Release Program (SIT PRP) then an evaluation takes place by program management or Technical Working Group (TWG) to assess the likelihood of a fertile to fertile mating. The assessment will consider the overall effectiveness of the PRP that has been ongoing in the area and pattern of sterile captures (fly/trap/day or FTD) in the area.

All fruit fly triggers are subject to program risk assessment

* Eradication is initiated prior to reaching a federal quarantine